



PATENT APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mitsumi KIMURA et al.

Group Art Unit: 3624

Application No.: 09/901,095

Examiner: Unknown

Filed: July 10, 2001

Docket No.: JAO 40499.01

For: MATRIX TYPE DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search reports are attached for the Examiner's information.
- ☒ 3. English-language Abstracts of the non-English language references are attached hereto.

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GROUP 3600

- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See References 6 and 7.

Respectfully submitted,



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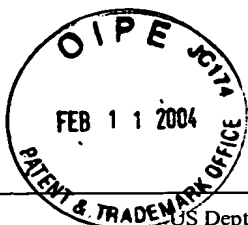
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Date: February 11 2004

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. JAO 40499.01		APPLICATION NO. 09/901,095	
				APPLICANT(S) Mitsumi KIMURA et al.			
				FILING DATE July 10, 2001		GROUP 3624	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	5,438,241	08/01/1995	ZAVRACKY et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
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	4	EP 0 486 318 A1	11/15/1991	Europe			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		RECEIVED FEB 1 8 2004 GROUP 3600					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: February 11 2004



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Europäisches
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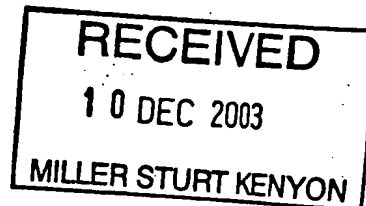
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Datum/Date

10.12.03

Zeichen/Ref./Réf.

EPP12478C

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

03077468.1-2203-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

SEIKO EPSON CORPORATION

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

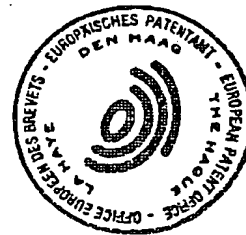
☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

9

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 November 2003	Examiner Stang, I
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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28-11-2003

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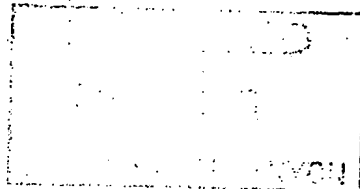
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Datum/Date

10.12.03

Zeichen/Ref./Réf.

EPP12478B

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

03077361.8-2203-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01, 28 February 1995 (1995-02-28) -& JP 06 281917 A (DAINIPPON PRINTING CO LTD), 7 October 1994 (1994-10-07) * abstract *	1,9,10, 14	H01L51/40 H01L27/00 H05B33/12 G02F1/1333 G09F9/30 G09F9/00
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Y	* page 4, line 43 - line 52 * * page 6, line 42 - line 49 * * page 7, line 32 - line 52; figure 4 *	9,14	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 415 (P-1265), 22 October 1991 (1991-10-22) & JP 03 168613 A (DAINIPPON PRINTING CO LTD), 22 July 1991 (1991-07-22) * abstract *	3,5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 November 2003	Examiner Stang, I
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 07 7361

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26-11-2003

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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

03077361.8

A method of manufacturing a matrix type display device comprising an optical material (114A) arranged at predetermined positions on a display substrate (121), the optical material being liquid at least when the optical material is applied to the predetermined positions. The method comprises the steps of enhancing the lyophilicity at each of the predetermined positions relative to the lyophilicity at a peripheral region (155) around a respective predetermined position of the predetermined positions and applying the optical material to the predetermined positions.